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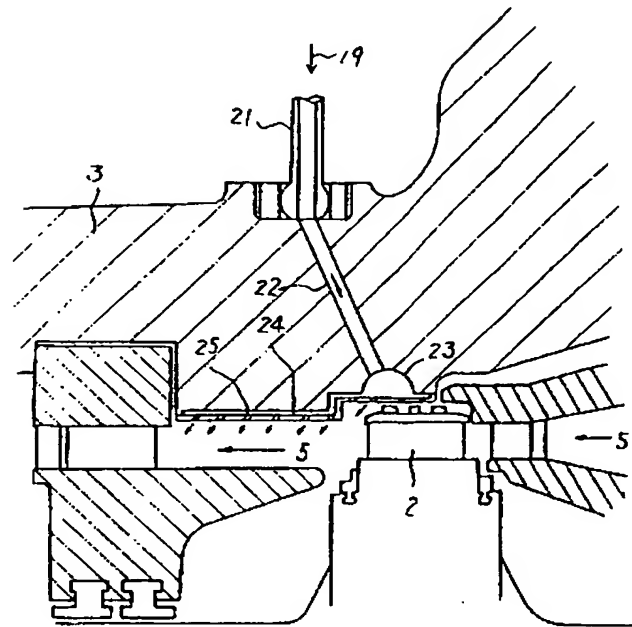
APPLICATION DATE : 13-06-84
APPLICATION NUMBER : 59119970

APPLICANT : HITACHI LTD;

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TITLE : CASING OF STEAM TURBINE



ABSTRACT : PURPOSE: To prevent abrupt temperature rise of the casing so as to reduce heat stress, by flowing another fluid having different pressure, temperature characteristics from that of the main fluid in the space formed in the casing of the steam turbine.

CONSTITUTION: A separating plate 24 is arranged on the inner fringe side of an internal casing 3 of a steam turbine, and fluid other than the main fluid 5 is introduced to a space 23 via a connecting tube 21 and an inlet tube 22. The steam flowed into the space 23 flows along a separating plate 24 towards the back flow side and enters the main steam side through injection holes 25 in the separating plate 24 to be mixed with the main steam 5. Consequently, the steam 19 with a lowered temperature is introduced to cool the internal surface of the casing when the turbine is to be started so as to prevent excessive heat stress.

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